



# User Manual

Equipment specially designed for lifting and rotating the camera or photo camera together with the accessories such as remote controlled head or lighting.

Telescopic structure of the crane provides universality of the device.

## Slide Kamera HKR-4 Camera Crane



PDF version of the manual available for download: [www.slidekamera.eu](http://www.slidekamera.eu)

Before you start your work with HRK-4 camera crane we strongly recommend to read the manual carefully in order to avoid any errors or equipment failures due to improper operation.

**Please note that using the crane in a manner inconsistent with this manual may cause a damage or any malfunction the manufacturer is not responsible for.**

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Slide Kamera ®

High Engineering Technology CNC s.c.  
Sebastian Pawelec Karol Mikulski  
Glina 45  
82-522 Sadlinki  
Vat Identification Number: 581-188-33-32

Slide Kamera Office

80-175 Gdańsk (Poland)  
Ul. Kartuska 386

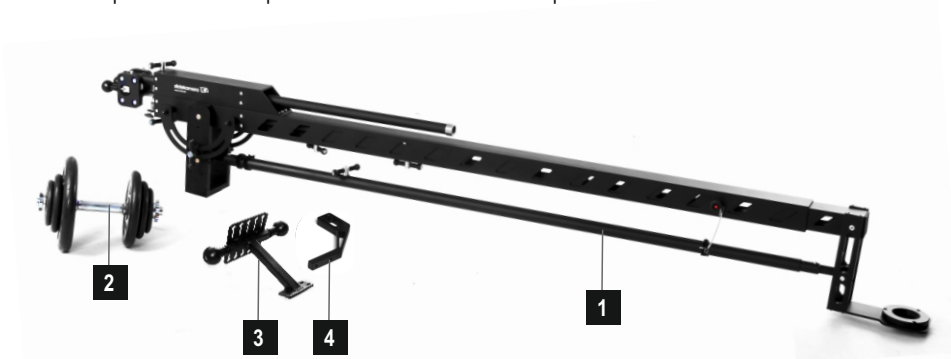
tel./fax (+48) 58 710 41 04  
e-mail: [biuro@slidekamera.pl](mailto:biuro@slidekamera.pl) / [office@slidekamera.eu](mailto:office@slidekamera.eu)  
[www.slidekamera.pl](http://www.slidekamera.pl) / [www.slidekamera.eu](http://www.slidekamera.eu)

## 1. Technical Specification

- ✓ arm length range: 2100mm to 3170mm (working length of the arm, from the rotation axis)
- ✓ vertical working range: Y - 4700mm, X-360 ° (range when the arm is extended to the maximum)
- ✓ used for cameras and photo cameras of a total weight up to 8kg
- ✓ weight without the weights: 33kg
- ✓ weights of a total weight: 38kg
- ✓ mounting holes for the accessories: 2x1/4", 2x3/8"
- ✓ 4xM6 hole for mounting the battery bracket and the control panel
- ✓ arm made of resistant building profiles that ensure high rigidity and strength
- ✓ arm is equipped with a removable holder for mounting the controller for remote controlled heads as well as other accessories
- ✓ arm of the crane equipped with brakes (tilt and rotation) that allow you to lock the arm in any desirable position
- ✓ arm ends with a socket for Manfrotto Ø75mm or Ø100mm leveling ball
- ✓ all mobile parts of the crane are bearinged, what ensures extreme smoothness of motion
- ✓ mounting the crane with 3/8" thread (this is a standard for most of the tripods)
- ✓ profiles have anticorrosive protection against weather conditions
- ✓ position of the arm can be locked with the use of clamps
- ✓ there is a possibility to block the rotation against the vertical axle

## 2. Elements of the crane

Once the shipment is received please make sure that all the components are inside.



**The set includes:**

- ✓ camera crane [1]
- ✓ counterweights [2]
- ✓ removable holder for the controller [3]
- ✓ bracket for the holder and the battery [4]
- ✓ four M4x12 hex socket head cap screws
- ✓ 1 pc of 3/8"x1" screw (to connect the camera crane base with the HSO-2 head)

In order to achieve the best functionality of the crane we recommend to use the Slide Kamera HSO-2 rotational head.

HSO-2 head is not included, please purchase separately.



### 3. Preparing the crane to work

The crane should be mounted on a stable tripod of a load capacity at least 75kg, equipped with a 75mm bowl (for example, Slide Kamera HST-2 tripod 700/920). Screw the HSO-2 rotational head to the base of the crane with the use of four M4x12 screws or 3/8" x 1" screw. Then connect the tripod with the crane with Slide Kamera HSZ-2 quick mounting screw. Tighten the screw from the bottom of the HSO-2 rotational head base.

Slide Kamera HSO-2 rotational head [1]

Slide Kamera HST-2 tripod with 75mm bowl [2]

Slide Kamera HSZ-2 quick mounting screw [3]



After mounting the crane on the tripod set up the crane. In order to do so, unlock the arm slide clamping knobs (three knobs) and take out the safety pin as the figure below shows.

Clamping knob [1]

Safety pin [2]

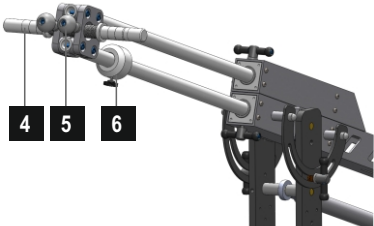


Unlock the X-axis and Y-axis rotation brakes, extend the arm of the crane and secure it with the safety pin (the pin is attached to a cord and is equipped with a button that releases the spikes enabling to slide the pin in and out). Lock the arm extend by tightening three clamping knobs.



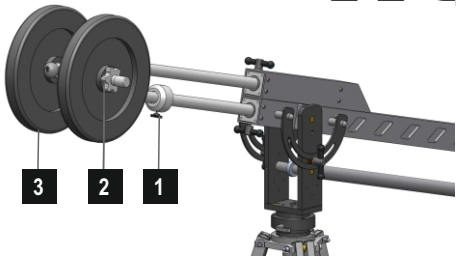
Unlock counterweight clamping knobs and slide out the counterweight arm, then lock the arm by tightening the clamping knobs.  
Attach the neck and lock it using two clamping knobs.

- Clamping knob [1]  
Rotation brake [2]  
Tilt brake [3]
- Counterweight neck [4]  
Neck clamping knob [5]  
Sliding weight [6]



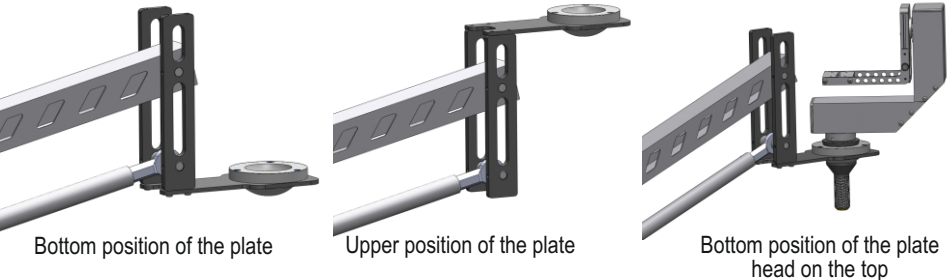
After mounting the accessories on the mounting plate balance the crane by mounting the counterweights on the neck. Once you balance the crane properly tighten the safety nuts on the neck.  
The counterweight arm is also equipped with a sliding weight to make balancing more precise.

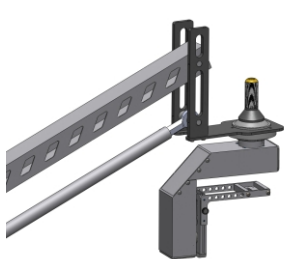
- Sliding weight [1]  
Safety nut [2]  
Weight (counterweight) [3]



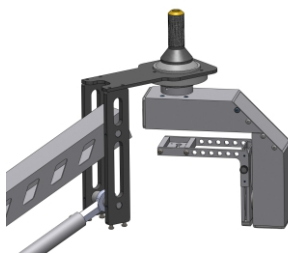
### 4. Mounting the accessories

Accessories such as cameras, photo cameras or remote controlled heads are mounted on a socket attached to the mounting plate of the working arm of the crane. The socket is equipped with 75 mm bowl (alternatively 100mm) for 75mm or 100mm leveling ball. The accessories can be mounted with the use of either leveling ball or rigidly, with the use of Slide Kamera quick mounting screw HSZ-2. There is a possibility to change the position of the plate (either upper or bottom position on the brackets mounting the plate) thus providing the versatility of mounting and improving balance of the arm.





Upper position  
of the plate head reversed



Upper position  
of the plate head reversed



Bottom position  
of the plate head on the top

Cables that run between the head and the controller as well as all the other cables (for example HDMI cable) are attached to the arm with velcro straps included in the set.

## 5. Safety when using the crane

When working with the crane of 3000mm long working arm and maximum acceptable weight including counterweights and mounted accessories up to 78kg it is extremely important to pay special attention to the safety when using the device. Because of the weight and length of the arm any impact caused by either the arm or any device mounted on the crane may result in serious injuries or equipment damage. All clamping knobs and safety pins should be operated as instructed.

**It is important to pay special attention to the fact that the arm and counterweight clamping knobs are securely tightened to prevent the telescopic elements of the crane from moving.**

### Please remember:

- ☑ It is compulsory that the pins and nuts securing the counterweight are placed properly.
- ☑ Legs of the tripod should be widely spaced to ensure stability of the device.
- ☑ The crane should be tightly attached to the tripod. It is not allowed to operate the crane in a way causing danger to the people in the proximity of the device.
- ☑ In case of any impact weight of the crane combined with high inertia of the arm present a hazard to human body and may cause damage of the equipment.
- ☑ Exercise extreme caution while mounting weights on the counterweight neck. Falling weight can cause serious injury.
- ☑ Exercise extreme caution while during the transport of the crane. Any impact can damage the equipment.

## 6. Maintenance and operation

The crane does not need any additional service or lubrication of the components. Maintenance procedures are reduced to keeping the equipment clean.

## 6. Transport

In order to ensure safe transport following conditions must be met:

- ☒ assemble the operating arm of the crane
- ☒ lock the tilt and rotation brakes
- ☒ tighten the clamping knobs to avoid the accidental spreading of the arms of the crane

The neck and counterweights are the elements transported separately. Disassembling the crane should be done in a manner opposite to assembling described in section 3 of the manual.

## 7. Terms of warranty

All products are covered with Slide Kamera warranty for a period of 12 months from the date of sale. Warranty covers defects in design and material. The warranty covers repair, or if the repair is impossible, replacing the product with a new one. However the cost of replacing the product cannot overrun the catalog value of the product. The warranty does not cover damage and / or product defects resulting from improper use, as well as non-compliance with maintenance of the product.

**The warranty is also void if:**

- ☒ unauthorized attempts to repair or modify
- ☒ mechanical damage caused during transport and operation of such features, scratches, dents, pits, dirt, etc...
- ☒ flooding, moisture

To obtain warranty service the purchaser should deliver the damaged product with proof of purchase and proof of payment (invoice, receipt, cash) to the point where the equipment was purchased. At the end of each guarantee period, you can purchase a replacement part from the manufacturer or in selected retail outlets listed on [www.slidekamera.pl](http://www.slidekamera.pl) / [www.slidekamera.eu](http://www.slidekamera.eu)

Producer after sales service is also available at: HET-CNC sc, 80-175 Gdańsk (Poland), Ul. Kartuska 386

